### PATENT COOPERATION TREATY

From the INTERNATI	IONAL SEARCH	ING AUTHO	RITY				
INTERNATIONAL SEARCHING AUTHORITY  To: HADASSA WATERMAN G. E. EHRLICH (1995) LTD.					PCT		
I I MENACHEM BEGIN STREET RAMAT GAN, ISRAEL 52 521				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
						(PCT Rule 43bis.1)	
_		·			Date of mailing (day/month/year)	0 1 NOV 2007	
Applicant'	s or agent's file re	ference			FOR FURTHER ACTION See paragraph 2 below		
32328							
Internation	International application No.			International filing date (day/month/year)		Priority date (day/month/year)	
PCT/IL06/	00840		19 July 2006 (19.07.2006)			28 June 2006 (28.06.2006)	
Internation	al Patent Classific	cation (IPC) o	r both nat	ional classificat	ion and IPC		
USPC:	Please See Continu 382/128;345/420;7						
Applicant							
SPECTRU	M DYNAMICS I	LLC					
1. This c	ppinion contains in	idications rela	iting to the	e following item	as:		
Box No. I Basis of the opinion							
Box No. II Priority							
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
	Box No. IV	Lack of unity of invention					
	Box No. V	Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	Box No. VI	No. VI Certain documents cited					
	Box No. VII	Certain defects in the international application					
	Box No. VIII	Certain observations on the international application					
2. FUR	THER ACTIO	N					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							
Name an	d mailing address	of the ISA/U	S	Date of comp	etion of this opinion	Authorized officer	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents				24 September	2007 (24.09.2007)	Yon Couso	
P.O. Box 1450 — Alexandria, Virginia 22313-1450					Telephone No. (703) 305-4700		

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IL06/00840

Box No. I Basis of this opinion					
1. With regard to the language, this opinion has been established on the basis of:					
the international application in the language in which it was filed					
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
a. type of material					
a sequence listing					
table(s) related to the sequence listing					
b. format of material					
on paper					
in electronic form					
c. time of filing/furnishing					
contained in the international application as filed.					
filed together with the international application in electronic form.					
furnished subsequently to this Authority for the purposes of search.					
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Additional comments:					
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# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (April 2005)

International application No. PCT/IL06/00840

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims 1-95		YES		
14040115 (14)					
Inventive step (IS)			310		
	Claims NONE	· · · · · · · · · · · · · · · · · · ·	NO		
v took to too attend the (TA)	Claims 1-95		YES		
Industrial applicability (IA)			NO		
2. Citations and explanations:					
Claims 1-95 meet the criteria set out in PCT Article stabilizing the reconstruction of an images volume by density distribution of the volume from radiation detreconstruction process and a data collection process to Claims 1-95 meet the criteria set out in PCT Article is the made or used in industry.	performing an analysis of cted over a specified set of improve the reliability of	f views and defining modification for the free free free free free free free fr	on to at least one of a with the analysis.		
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### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IL06/00840

Supplemental Box In case the space in any of the preceding boxes is not sufficient.	
Continuation of IPC: G06K 9/00( 2006.01);G06T 17/00( 2006.01);G01B 5/26( 2006.01) G06K 9/36( 2006.01);G01B 11/28( 2006.01)	·
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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of.:

Michal AMIT et al

Serial No.: 10/581,455

Filed: June 1, 2006 § Group Art Unit: 1632

For: METHODS OF GENERATING

STEM CELLS AND
EMBRYONIC BODIES
SCARRYING DISEASECAUSING MUTATIONS AND
METHODS OF USING SAME
FOR STUDYING GENETIC

§

Examiner: Ton, Thaian N

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### **DECLARATION UNDER 37 CFR 1.131**

We, Michal Amit and Joseph Itskovitz Eldor, are co-inventors of the above-identified application.

We have read the Office Action dated March 2, 2009 issued with respect to the above-identified application.

In the Office Action, the Examiner rejected claims 52, 55, 56, 58-60 under 35 U.S.C. 102(a) as being anticipated by Zwaka et al. (Nature Biotechnology, 21: 319-321, March 2003, Published online on February 10, 2003) or by PGPub US 2006/0128018 (Zwaka et al., Published June 15, 2006; filed February 6, 2004, earliest priority from February 7, 2003).

In re Application of: Michal Amit et al.

Serial No.: 10/581,455 Filed: June 1, 2006

Office Action Mailing Date: March 2, 2009

Examiner: Ton, Thaian N Group Art Unit: 1632

Attorney Docket: 32059

We hereby declare that the aforementioned publications of Zwaka et al. 2003 (Nature Biotechnology) and Zwaka et al., US 2006/0128018 are not prior art to our invention, inasmuch as we, Michal Amit and Joseph Itskovitz Eldor, had actually reduced to practice, and thus made our invention, prior to February 7, 2003, the earliest priority date of US 2006/0128018.

In evidence of such reduction to practice we attach herewith a copy of the Amit et al. (Chapter 7: Subcloning and Alternative Methods for the Derivation and Culture of Human Embryonic Stem Cells from Human Embryonic Stem Cells, Ed. A.Y. Chiu and M.S. Rao. January 1, 2003, pp. 127-144) publication, which describes Applicants own work (see attached declaration of Prof. Joseph Itskovitz Eldor under 1.132) having an earlier publication date of January 1, 2003, describing the successful reduction to practice of the claimed invention.

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In re Application of: Michal Amit et al.

Serial No.: 10/581,455 Filed: June 1, 2006

Office Action Mailing Date: March 2, 2009

Examiner: Ton, Thaian N Group Art Unit: 1632 Attorney Docket: 32059

We hereby declare that all the statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and the such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: June 1, 2009.	
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Dr. Michal Amit	Prof. Joseph Itskovitz Eldor

#### Enclosures:

Declaration under 1.132 by Joseph Itskovitz Eldor *Amit et al.* 2003 (Chapter 7)